

# **Lesson Preparation Book Computer**

1<sup>st</sup>.Sec - Second Term - 2024



جروب فريق أصدقاء الكمبيوتر المتخصص - Prepared and Designed by/ Yasmin Shoaeb



## **Teacher's Biography**

Name:	••••••
School:	••••••
The educational administration:	••••••
Qualification:	•••••••
Teaching Subject:	••••••
Comprehensive School:	••••••
The school to which he is delegated:	••••••
Date of appointment:	••••••
The job is on the staff:	••••••
Teacher Code:	••••••
Mobile Number:	••••••
Teacher Supervisor	School Principal
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# Daily class schedule

Session Day	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eightieth	Ninth
Saturday									
Sunday									
Monday									
Tuesday									
Wednesday									
Thursday									

Session Day	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eightieth	Ninth
Saturday									
Sunday									
Monday									
Tuesday									
Wednesday									
Thursday									

Teacher	Supervisor	<b>School Principal</b>

# Distribution of computer and information technology content



For 1st.Sec - 2024

#### **Second Term**

Week	Topic	Accompanying
		activities
_	- Training in reading Excel sheet data using Visual Basic .NET,	
1	identifying the variables used in the project, and identifying the	
	classifications used in the programming code	
2	- Training in reading Excel sheet data using Visual Basic .NET,	_
2	assigning the values used to the variables, and using the necessary code to fill the data controls	SOI
	- Complete the exercise of reading Excelsheet data using Visual	<u>  es</u>
3	Basic .NET	ach
4	- Create the function to read Excel sheet data	Practical parts for each lesson
-	- Write the code necessary to fill the combobox tool with the names of	sto
5	the continents	art
	- Solving questions and exercises on the eighth topic	<u>a</u>
	Topic nine: Writing project code	Gi
	- Write the code necessary to fill the combobox tool with the names of	) ra
	countries	<b>-</b>
6	- Write the necessary code to display country data using the Label	
	tool.	
	- Solving questions and exercises on the ninth topic	
	Topic Ten: Adding a map and country flag to the Arab Electronic Atlas	
7	program	
,	- Write the necessary code to display the country's flag and map	
	using the picture box tool.	
8	Solving questions and exercises on the tenth topic -	u <sub>o</sub>
	Topic Eleven: Adding the voice of national peace to the Arab	eachlesson
	Electronic Atlas program	ا ب
9	- Writing the code necessary to play the country's national anthem	
	soundfile	for
	- Write the code necessary to turn on or stop the country's national	ırts
10	anthem sound file	ed =
10	- Solving questions and exercises on topic eleven Topic Twelve: Adding a video of tourist attractions to the Arab	Practical parts for
	Electronic Atlas program	rac
11	- Writing the code necessary to play the video file of the country's	<b>_</b>
	tourist attractions	
12	Solve questions and exercises on topic twelve	
13 - 14	General review and solution of questions for the second se	mester



## **The General Objectives of Computer**

#### At the end of the second term the student will be able to:

- 🔼 🐚 Using problem solving technique to create an '(Electronic Arabic Atlas)'.
- Manipulating data through the operating system and the Internet.
- 🔼 🥦 Creating a database using one of the Spreadsheets Applications.
- Creating and employing multimedia files.
- Establishing Project's interface and adjusting its properties.
- 🐚 🐚 Using Visual Basic. Net language to display Project's data.
- > Writing Project's codes and, other codes to play and stop multimedia files.
- Create and processes audio files through some audio editing and processing programs.
- Create and processes video files through some video editing and processing software.
- 🐚 🦄 Create a communication channel between databases and software
- 🔌 🥦 Initialize and recalls image, audio and video files within the software
- Uses one of the SQL statements (Select)
- 这 🥦 Employ image, audio and video files within the software

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Teacher	Supervisor	School Principal



## The specified objectives of computer

#### At the end of the second term the student will be able to:

- > Write the code required to retrieve data from an Excel sheet.
- Write the code required to display data through their corresponding controls on the user interface window.
- **Explain** what is meant by the following terms:
- ADO
- Class.
- Object.
- Namespace.
- **■** Framework.
- SOL
- > Write the code to open a communication channel.
- ≥ Declare the variables needed to open a communication channel.
- ➤ Write the code for loading an Excel file into memory.
- Assign data in Spreadsheet' columns located in the memory, to their corresponding controls on the user interface window.
- > Write the code required to retrieve data from an Excel sheet,
- Write the code required to display data through their corresponding controls on the user interface window.
- > Write the code for displaying images through the user interface controls.
- 🔈 🖎 Prevent possible errors while running the program.
- ≥ Show off the image file types inside the folder.
- ≥ Identify the path where image files will be saved.
- ➤ Write the program code to play or stop a sound file; when pressing the command button
- **™** Declare variables and specify their location; on the level of class, or procedure.
- ≥ Show the audio file types inside the folder.
- ➤ Specify the path where sound files are saved
- ➤ Write the program code to play or stop a video file.
- Specify the path where video files are saved.
- ≥ Show the video file types inside the folder.

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Date			
Session			
Class			

Reading data from an Excel sheet using Visual Basic.net

Learning Objectives:	Strategy	
By the end of the lesson, the student should be able to:	Brain storming - Dialogue and discussion	
Explain what is meant by the following terms "Ado –	Critical thinking	
Class – Object"  Write the code to open a communication channel.	Teaching aids	
Declare the variables needed to open a communication channel	Electronic board - Student's Book - - presentation	

Warm up / While writing program code in Visual Studio.NET, you will use certain terms and apply the main concepts that you studied last year. Also you will learn some new terms that follows:



#### ADO (ActiveX Data Object):

It is an advanced technology that can be used to design "Controls" not as ordinary tools; but "Controls" that get access to databases over appropriate applications and develop applications and Programming Projects i.e. (Windows Applications and Web Application) that manipulate data from a diversity of databases. Where; ADO.NET is a set of classes that provides access to multiple data sources; such as "Microsoft SQL Server, Microsoft Access, and Oracle". This software's can create/manipulate databases; ADO.NET is a part of the Framework.

- Class: is the blueprint/ plan / template, from which the individual objects, are created. It is the blueprint that describes the details which any object takes (its Properties, Methods and, Events); and are derived from the (Class).
- Object: is characterized by:
- 1- The properties that describe and specify an Object.
- 2-The events that occur on an Object.
- 3-The methods or actions that an object can perform; upon the occurrence of a particular event.

An (Object) is the basic constructive element in Object Oriented Programming; it is created from a defined class. Thus an (Object) exists only after a certain (Class) has been created.

- Namespace: contains a set of related classes that can be used when needed.
- Framework: Is the platform for Visual Studio. NET applications that:
- 1- Enables developers to create applications like (Desktop applications, Web applications and Mobile applications).
- 2-Provides a development environment for running all applications.
- The Framework is composed of:
- 1- The execution engine (CLR) Common Language Runtime.
- 2-The.NET class libraries (System Class Libraries).
- 3-Compilers
- 4-Other elements.

_		
Even	luation:	
EVA	mation:	

**Complete:** ..... is the blueprint/ plan / template, from which the individual objects, are created

Date			
Session			
Class			



Use the code to populate the controls

Learning Objectives:	Strategy				
By the end of the lesson, the student should be able to:	Brain storming - Dialogue and discussion				
<ul><li>Explain what is meant by the following terms "Ado – Class – Object"</li></ul>	- Active Learning				
<ul> <li>Write the code to open a communication channel.</li> </ul>	Teaching aids				
<ul> <li>Declare the variables needed to open a communication channel</li> </ul>	Electronic board - Student's Book - - presentation				

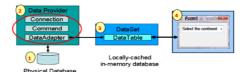
Warm up / What is the meant by Structured Query Language



#### • SQL (Structured Query Language):

It is a programming language designed for managing database files.

The following figures demonstrate the stages for retrieving data from a database saved in a storage medium, and converting it to a data table in the memory, and then display it in the appropriate object located on the interface window Form in Visual Basic. Net language.



Examples of select statement If you have a spreadsheet as follows:

Retrieve all records from a spreadsheet Table1 using the Select statement.

Syntax: Select \* from TableName Statement: Select \* from Table1

☐ Show the "Continent" column from the data table Table 1 "without repetition using the Select Statement.

Syntax: Select Distinct FieldName from TableName Statement: Select Distinct القارة from Table1

من مصادر المناة	من اهم المواني	العاصمة	الدوله	العارة
وادی فجر – آبو جیدة	جدة	الرياض	السعودية	اسيا
وادى الباطن	الأحمدي	الكويت	الكويت	أسيا
وادى الخارد	عدن	صنعاء	اليمن	اسيا
تحليه الخليج العربى	الدوحة	الدوحة	قطر	اسيا
وادى العين - مسلم	مسقط	مسقط	عمان	اسيا
نهر النيل	الأسكندرية	القاهرة	مصر	أفريقيا
وادي زمزم – بي الكبير	بنغازى	طرابلس	ليبيا	أفريقيا
وادی ملیان – مجرادة	صفاقس	تونس	تونس	أفريقيا
وادى تمانراست	وهرات	الجزائر	الجزائر	أفريقيا
نهر الربيع – بوقراق	الدار البيضاء	الرباط	المغرب	أفريقيا

Select: It is one of the SQL statements used to retrieve records from a table or from multiple tables in the database.

Data Source: The source of data (A file located in a storage media or a table stored in the memory).

Provider: It is a link between the database and Visual basic. Each Database program has its own Data Provider (Connection, Command and, Data Adapter).

Dataset: It is a Class from where we can create a variable: ds. This variable in the computer's memory represents database tables (Data Tables), which was brought from the data file into memory.

DataTable: We can create a variable out of this class: dt. This variable in the computer's memory represents a table for saving data (Data Table), which was brought from the data file.

#### **Evaluation:**

#### **Choose:**

1- The connection between VB.Net and Data Base (Data Adapter – Command – Connection).

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Date			
Session			
Class			



Write a code to fill in the names of the continents

Learning Objectives:	Strategy
By the end of the lesson, the student should be able to:	Brain storming - Dialogue and
<ul> <li>Write the code to open a communication channel.</li> </ul>	discussion- Collaborative learning
<ul> <li>Declare the variables needed to open a communication</li> </ul>	
channel.	Teaching aids
Write the code for loading an Excel file into memory.	Electronic board - Student's Book - - presentation

Warm up / What is the meant by Structured Query Language



#### Example No 1:

Find the sum of the two numbers 8 and 10 using the Select statement.

Syntax: Select No1 + No2 Statement: Select 8 + 10

Output: 18 Example No 2:

Retrieve all records from a spreadsheet Table 1 using the Select statement.

Syntax: Select \* from TableName Statement: Select \* from Table1

Example No 3:

Show the "Continent" column from the data table Table 1 using the Select Statement.

Syntax: Select FieldName from TableName

from Table1 القارة Statement: Select

**Output:** 

#### Example No 4:

Show the "Continent" column from the data table Table1 "without repetition using the Select Statement.

Syntax: Select Distinct FieldName from TableName

from Table1 القارة Statement: Select Distinct

**Output:** 



→ → Use VBasic.NET language to create a new project where the interface window "Form" contains one control (ComboBox1), and then write the necessary code to retrieve data (for example the "Continent" column ) from the database: the Excel file "AtlasData.xls"; this data will be displayed inside the control (ComboBox1)..

#### Do the following steps

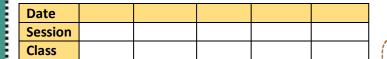
- 1-Create a new project.
- 2-Choose the control (ComboBox1) from the Toolbox and place it inside the Form
- 3-Go to the (Code Window) and then type the code as follows:

حضار بيانات عمود من ملف إكسيل داخل ComboBox	1 000
-	

#### **Evaluation:**

#### **Choose:**

1- To open code window in VB.Net we press the key (Name - F7 - Provider)





Reading data from an Excel sheet using Visual Basic.net

Learning Objectives:	Strategy			
By the end of the lesson, the student should be able to:				
Declare the variables needed to open a communication channel.	Dialogue and discussion - Critical thinking			
Write the code for loading an Excel file into memory.	Teaching aids			
<ul> <li>Assign data in Spreadsheet' columns located in the memory, to their corresponding controls on the user interface window.</li> </ul>	Electronic board - Student's Book - - presentation			

Warm up / How many operands are assigned to this function?



Function GetDatafromExcelSheet(FilePath As String, sql As String) As DataTable .

End Function

#### This function has 2 operands:

- \* "File Path" that represents a path Excel file.
- \* "Sql" that represents a sentence through which we will inquire about the data from the Excel file.

This function returns a value of type DataTable inside the computer memory; that represents the data brought from Excel file.

- **♣** Declare the following variables:
- The Variable "My Connection" that allows opening a channel of communication in the worksheet that holds data in an Excel file.
  - The Variable "My Command" will perform a query by which you can get the data from an Excel file.
  - The Variable "da" will transfer data from an Excel file to the data Table of Variable "dt".
  - The Variable "dt" has a table for saving the data brought from the Excel file.

ComboBox control maintains two values: one of them is a shown value that is kept inside Display Member property and the other value is not shown; it's kept inside Value Member property.

When we run the program, we find names of continents in the list as shown below:



#### **Evaluation:**

#### Put √ or X:

1. You can use a variable of type (OleDbCommand) for the purpose of opening a channel of communication data file.

Date			
Session			
Class			



Reading data from an Excel sheet using Visual Basic.net "Questions"

Learning Objectives:	Strategy
By the end of the lesson, the student should be able to:	Dialogue and discussion - Critical thinking
Mention the most important term for the lesson.	
Write the code for loading an Excel file into	Teaching aids
memory.	Electronic board - Student's Book -
Solve the lesson's question correctly.	- presentation

Warm up / Solve Student's book Exercises.



#### Question No 1: Put $(\checkmark)$ or (x) in front of each of the following Statement:

No	Statement	<b>(√)</b>	(x)
1-	We open channel of communication between the programme that is created in Visual basic Dot Net language and Excel file by using ADO.NET tools.		
2-	Variable of type (OleDbConnection) is used in closing the communication channel that has been opened.		
3-	The return value from the function: "GetDatafromExcelSheet (FilePath As String, sql As String) As DataTable" is of type String.		
4-	The announcement of a <i>Function</i> is done by using the word "Sub".		
5-	You can use a variable of type (OleDbCommand) for the purpose of opening a channel of communication data file.		
6-	You can create a variable of type (DataTable) in-memory; in which we store data that were brought from the data file.		

#### Question No 2: Read the following code, and then answer the following:

- excel file.

  3-This function will return with a value of the type
  ......which is a Data Table in computer memory
  holding data that has been imported from Excel file.
- 4-We have declared the following variables:
- Return dt

Dim MyConnection As New OleDb.OleDbConnection
Dim MyCommand As New OleDb.OleDbCommand

Dim da As New OleDb.OleDbDataAdapter

MyCommand.Connection = MyConnection MyCommand.CommandText = sql

da.SelectCommand = MyCommand

Dim dt As New DataTable

Function GetDatafromExcelSheet(FilePath As String, sql As String) As DataTable

MyConnection.ConnectionString = "provider=Microsoft.Jet.OLEDB.4.0; " & \_ "data source=" & FilePath & "; " & \_ "Extended Properties=Excel 8.0"

- The variable ......to open a channel of communication on a worksheet holding data from an Excel file.
  The variable .....that executes a query to get data from Excel file.
- The variable ..... will act as an adapter for data from Excel file.
- The variable ......has a table in which we save data that have been brought from the Excel file.

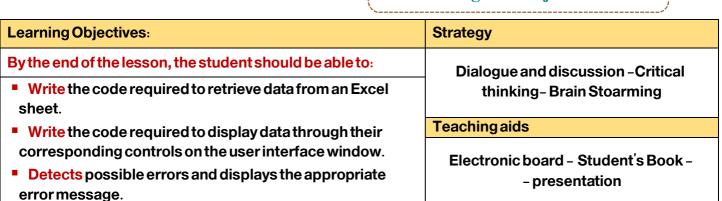
5-Then the data adapter "da" uses the command .......which has the Query syntax sql about the required data from Excel file that used the Communication channel "MyConnection" as a way to convert data to "dt"

#### **Evaluation:**

Evaluate Student's Answer.

Date			
Session			
Class			

#### **Writing the Project Code**



Warm up / When the event " SelectedIndexChanged " is executed?



#### To write the (Electronic Arabic Atlas) Program code:

Double click the "Continents" ComboBox that opens in the design mode, and then the event handler appears as follows:

Private Sub cmbbxContinent\_SelectedIndexChanged(send

→ Write the following code to display a list of country 'names of the Continent in the cmbbxState list, as shown in this code:

In the previous code, you notice the following:

• The statement 'Try/Catch' was used to prevent errors; while running the program, the errors might result from calling the event cmbbxContinent\_SelectedIndexChanged before the fill in of the list of continents' names.

• The following two lines of code were used to call the Event cmbbxState SelectedIndexChanged to show Egypt's own data:

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Me.cmbbxState.SelectedIndex = 3
Me.cmbbxState.SelectedIndex = 0

• When you run the program, you find a list of countries as shown in the following figure: Double click "Countries" ComboBox that opens in the design mode, and then the event handler appears as follows.

```
Private Sub cmbbxState_SelectedIndexChanged(sender As 0 End Sub
```

Write the necessary code that shows the selected "Country" data as illustrated in the following figure:



In the previous code, Rows refer to rows and Items refer to columns in the Excel sheet. The rows and columns numbers start with (0); row(o) refers to first row, and item (2) refers to the third column.

Remember the following:

- 1. On choosing a Continent, the names of its related Countries will be displayed.
- 2. On choosing a Country, its related data appear in the controls displayed on the user interface window.
- 3. A value is assigned to each element of the variable "dt" (Data table) for each field corresponding to the displayed Control; on the user interface window.
- 4. The statement (Try/Catch) is used with the code to prevent the occurrence of errors during running the program. After running the program, the user interface window appears as follows:

**Evaluation: Solve Student's book questions.** 



إيفاف تشغبل السلام الوطنى

Date			
Session			
Class			



Adding the country flag and its map in (Electronic Arabic Atlas)

Learning Objectives:	Strategy
By the end of the lesson, the student should be able to:	Dialogue and discussion - Critical
<ul> <li>Write the code for displaying images through the user interface controls.</li> </ul>	thinking- Brain Storming
Prevent possible errors while running the program.	Teaching aids
Show off the image file types inside the folder.	Electronic board - Student's Book - - presentation

Warm up / What is the property responsible for inserting an image into the Picture box tool?



#### **Lesson Presentation**

- ☐ Set the names of the image files (Flags and Maps) with the same names displayed in the list of country names.
- " السعودية. png تونس. png مصر. Some file names of country 'flags in the Flags folder: "png مصر
- "السعودية. png تونس . png مصر. Some file names of country' maps in the Maps folder: "png مصر.
- The similarity in the names of the image files in the two folders Flags and Maps to simply deduce their names when assigning these images for both controls (picbxFlag, picbxMap) as written in the Excel sheet.
- Write the following code in the event handler cmbbxState\_SelectedIndexChanged to display the country flag and its map as shown in the following code:

• While running the program, the flag and map of the selected country are displayed as shown in the following:

#### Note: -

- 1. Make sure of naming each file with a name suitable to its content
- 2. Illustrate different file types used in the project (Map flag National Anthem video clip of touristic attractions......).
- 3. Identify the path used for saving files.
- 4. Use Try/catch statement within the code to detect errors that may occur during program's execution and, to display an appropriate message for this error.

#### **Evaluation:**

Complete: - We use statement ...... to prevent runtime errors

Date			
Session			
Class			



Adding the country flag and its map in (Electronic Arabic Atlas)

"Questions"

Learning Objectives:	Strategy	
By the end of the lesson, the student should be able to:	Dialogue and discussion - Critical	
Write the code for displaying images through the user interface controls.	thinking-Brain Storming	
Prevent possible errors while running the program.	Teaching aids	
• Identify the path where image files will be saved.	Electronic board - Student's Book - - presentation	

Warm up / Solve Student's book Exercises?



1. Read the following code, and then choose the correct answer

```
Dim picName As String = dt.Rows(0).Item(1).ToString & ".png"
Me.picFlag.Image = Image.FromFile("c:\Atlas\flags\" & picName)
Me.picMap.Image = Image.FromFile("c:\Atlas\maps\" & picName)
```

The value assigned to the variable PicName is:

No	Statement	(√)	(x)
1	The content of Row (0) and the column (1) in the table "dt"; plus the file		
-	extension.png.		
2	The content of the Row (1) and the column (0) in the table "dt"; plus the		
	file extension.png.		
3-	The content of Row (0) and the column (1) in the table "dt"; plus the file		
3-	extension ToString.		

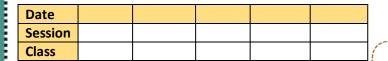
2. Read the following code, and then choose the correct answer.

Me.picFlag.Image = Image.FromFile("c:\Atlas\flags\" & picName)

The code is used to assign a picture file to the property:

No	Statement	(√)	(x)
1–	Image for the control PicFlag		
2-	FromFile for the control PicFlag		
3-	Image for the control FromFile		

**Evaluation: Solve Student's book questions.** 





Adding the national anthem sound file to (Electronic Arabic Atlas)

Learning Objectives:	Strategy
By the end of the lesson, the student should be able to:	Dialogue and discussion - Critical
<ul> <li>Write the program code to play or stop a sound file; when pressing the command button</li> </ul>	thinking- Brain Storming
Declare variables and specify their location; on the level	Teaching aids
of class, or procedure.	Electronic board - Student's Book -
Show the audio file types inside the folder.	- presentation

Warm up / How to insert an audio file into W.M.P tool?



Adjust audio file names of countries' national anthem; with the same names shown in the list of countries names.

• Some audio file names of countries' national anthem saved in the "Anthem" folder mp3. تونس mp3. تونس

السعودية .mp3

• Type the following code in the "cmbbxState\_SelectedIndexChanged" event handler to run the national Anthem of the country as shown in the following code:

#### Notice:

handler.

To control the start or stop of a sound national Anthem file; type the code in the "btnStop\_play\_Click "event handler of the button

"btnStop Play" as shown in the following code:

# Private Sub btnStop\_play\_click(sender As Object, e As EventArgs) Handles btnStop\_play.click If Me.btnStop\_play.Text = "إيقاف تشغيل السلام الوطني" Then Me.WPlayer.close() Me.btnStop\_play.Text = "تشغيل السلام الوطني" Else Me.WPlayer.URL = anthemMp3 Me.btnStop\_play.Text = "إيقاف تشغيل السلام الوطني" End If End Sub

#### Remember:

Make sure of naming the audio files for the national anthem of each country. Show the national anthem file types. The user interface window will

appear after the execution as follows:



#### **Evaluation:**

#### Choose:

1. If statement end with (Stop Sub – End If – Final If)

Date			
Session			
Class			



Adding the national anthem sound file to (Electronic Arabic Atlas)

"Question"

Learning Objectives:	Strategy
By the end of the lesson, the student should be able to:	Dialogue and discussion - Critical
<ul> <li>Write the program code to play or stop a sound file; when pressing the command button</li> </ul>	thinking-Brain Storming
Declare variables and specify their location; on the level	Teaching aids
of class, or procedure.	Electronic board - Student's Book -
Show the audio file types inside the folder.	- presentation

Warm up / Solve Student's book Exercises?



■ Set up a project with name (VB\_Multimedia\_Sound2K) to insert a sound file into the control (AxWindowsMediaPlayer) using the control (ComboBox), as illustrated on the form:



#### Program code:

Insert a Sound File to a Windows Media Player

ControlTool

Public Class Form1

Private Sub ComboBox1\_SelectedIndexChanged(ByVal

sender As System. Object, ByVal e As System. Event Args)

Handles ComboBox1. Selected Index Changed

Dim V As String

V = ComboBox1.SelectedItem

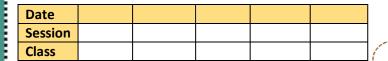
AxWindowsMediaPlayer1.URL=V

**End Sub** 

**End Class** 

#### **Evaluation:**

**Evaluate Student's questions** 





Adding the Video file of tourist attractions to (Electronic Arabic Atlas)

Learning Objectives:	Strategy
By the end of the lesson, the student should be able to:	Dialogue and discussion - Critical thinking -
Write the program code to play or stop a video file.	Brain Storming
Specify the path where video files are saved.	Teaching aids
<ul> <li>Show the video file types inside the folder.</li> </ul>	Electronic board - Student's Book -
3,500	<ul><li>presentation</li></ul>

Warm up / How to hide or show windows media player tool?



Adjust video file names of countries' tourist attractions; with the same names shown in the list of countries names.

- →Some video file names of countries' tourist attractions saved in the "Video" folder mp4. مصر
  mp4. تونس mp4. السعودية
- →Add a command button to the interface of the program So that the value of the property Name is "btnPlayVideos" and the value of the property Text is "tourist attractions".
- $\rightarrow$  Type the following code in the "btnPlayVideos\_Click" event handler for "btnPlayVideos" button to run tourist attractions video file for the countries as shown in the following code:

```
Private Sub btnPlayVideos_Click(sender As Object, e As EventArgs) Handles btnPlayVideos.Click

If Me.btnPlayVideos.Text = "معالم سياحية" Then

Me.WMPlayer.Visible = True

Me.WMPlayer.URL = "c:\Atlas\videos\" & Me.cmbbxState.SelectedValue.ToString & ".wmv"

Me.btnPlayVideos.Text = "إيقاف العرض"

Else

Me.WMPlayer.Visible = False

Me.WMPlayer.close()

Me.btnPlayVideos.Text = "معالم سياحية"

End If

End Sub
```

#### Remember

- 1. Make sure of naming the video files of tourist attractions for each country.
- 2. Show the video files of tourist attractions.
- 3. Recognize the path where video files are saved.

#### **Notice**

- 1. The property Selected Value of the control "cmbbxState" was used to get the name of the country; to identify the video file name and path.
- 2. The control WMPlayer was displayed by setting the property Visible to the value True; so you can see the video file displayed on the screen.
- 3. You can turn off or play the video file through btnPlay Videos button as shown in the previous code.

The user interface window will appear after the execution as follows:

#### **Evaluation:**

#### Complete:

The property ...... of the control "cmbbxState" was used to get the name of the country.



Date			
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Adding the Video file of tourist attractions to (Electronic Arabic Atlas) - "Question"

Learning Objectives:	Strategy	
By the end of the lesson, the student should be able to:	Dialogue and discussion - Critical thinking -	
can revise project code	Brain Storming	
Specify the path where video files are saved.	Teaching aids	
<ul><li>Show the video file types inside the folder.</li></ul>	Electronic board - Student's Book -	
and the state of t	- presentation	

Warm up / How to insert a video into windows media player from a file?



## State whether the following statements are true ( $\sqrt{}$ ) or false (X)

The statement	<b>(✓)</b>	(x)
You can use Try/Catch to discover errors while running the program and display an appropriate message for this error		
2. The code Me.lbIDC.Text = dt.Rows(0).Item(2).ToString customize a value to the element in the second row and first column of the data table lbIDC.		
The event SelectedIndexChanged of the control ComboBox is executed when changing the current item in the existing list.		
4. The $(\&)$ operator is used to concatenate between string variables and text; the result is a single string.		
5. The code Me.lbIDC.Text = dt.Rows(0).Item(2).ToString customize a value to the element in the first row and third column in the spreadsheet and places it within the lbIDC.		
6. To the URL property in the code Me.WMPlayer.URL = "anthem.mp3" is used to stop or play the sound file "anthem.mp3".		
7. The function From File is used to assign a picture from a file.		
8. The property DisplayMember of the control ComboBox can be used to specify a field from the data source that appears inside this control.		
9. The property ValueMember of the control ComboBox can be used to specify a field from the data source as the value of each element of the list items.		

#### **Evaluation:**

Solve Student's book questions

Date			
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# Lesson 13 Revision

Learning Objectives:	Strategy	
By the end of the lesson, the student should be able to:	Dialogue and discussion - Critical thinking - Brain Storming	
Identify the most important terms of the lesson.		
Solve the student's book exercises.	Teaching aids	
Write the project's code in right way.	Electronic board - Student's Book -	
	- presentation	

Warm up / What are the most important basics of Atlas project?



#### Q1:- Choose The Correct Answer:

(Private Sub - Try/Catch - Me - & - Dim - Data Table - dt - twice)

- 1. To open the code window on the default event handler of the tool, we click ......on the tool in the design screen .
- 2. The procedure in the code window begins with the words ......
- 3. The command Dim dt As New DataTable The variable is (dt) and the type of the variable is ......
- 4. The word ...... used in the code indicates the current model
- 5. The ...... sentence is used to prevent errors that may occur during the operation of the program
- 6. The ......join symbol is used to concatenate strings to form a single string
- 7......Variables are declared by command

#### **Evaluation:**

Evaluate Student's Answer.

Date			
Session			
Class			



# Lesson 14 Revision

Learning Objectives:	Strategy	
By the end of the lesson, the student should be able to:	Dialogue and discussion - Critical thinking - Brain Storming	
Identify the most important terms of the lesson.		
Solve the student's book exercises.	Teaching aids	
Write the project's code in right way.	Electronic board - Student's Book -	
	- presentation	

Warm up / What are the most important basics of Atlas project?



### From the following code, find:

Function GetDataFromExcelSheet(ByVal FilePath As String,

ByVal sql As String) As DataTable

**Dim MyConnection As New OleDb.OleDbConnection** 

Dim MyCommand As New OleDb.OleDbCommand

Dim da As New OleDb.OleDbDataAdapter

Dim dt As New DataTable

**End Function** 

1)	Fun	ction	Name
.,	ı uı	IGUUI	

- 2) Parameters Name ...... &.......
- 3) Parameter Type ......
- 4) The return value data type .......
- 5) ...... contain the Excel file path on the storage media
- 6) ...... contain The Command which deal with data in the Excel file
- 7) We use the command Dim to declare the variables
- 8) We declare the functions
  - a. Variable ...... to open connection with data file
  - b. Variable ..... run the query to collect the data
  - c. Variable ...... convert data from Excel file to dt
  - d. Variable ...... has a table to store data from Excel file

#### **Evaluation:**

**Evaluate Student's Answer**